

# Special Issue

## Optical Systems for Astronomy

### Message from the Guest Editors

In the domain of ground-based astronomy, we are approaching the commissioning of three extremely large telescopes and their first-light instruments, but we are also witnessing a number of small missions, which have become possible with new image sensors, robotic mounts and other technologies. We are pleased to announce a Special Issue of *Photonics* on astronomical optics. Since the field is extremely diverse and continually growing, we propose a focus on optical systems developed for astronomy. In this Special Issue, original research articles and reviews are welcome.

Relevant topics include (but are not limited to):

- Ground-based telescopes (including large segmented mirrors);
- Large- and medium-sized spaceborne telescopes and instruments;
- Small space instruments, including CubeSat-scale platforms;
- Spectral and spectropolarimetric instruments for astronomy;
- Integral field spectrometers;
- Adaptive and active optics;
- High-contrast imaging and coronagraphy;
- Wide-field instruments for all-sky surveys;
- Innovative optical elements for astronomy;
- Optical interferometric techniques and instrumentation.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 April 2024)



## Photonics

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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### Editor-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).